



Explorers Program Overview

Mark Goans
Explorers Deputy Program Manager

● ————— ●
**2022 Heliophysics Explorers AO
Pre-Proposal Conference
October 6, 2022**



Explorers Program Overview (1 of 2)



- NASA's oldest, continuous program
 - Over 100 successful missions since 1958
- Program Objective—Frequent flight opportunities for world-class scientific investigations
- Uncoupled program of missions with unique science capabilities supporting heliophysics and astrophysics science goals



Explorers Program Overview (2 of 2)



- Mission class characterized by size, schedule, and budget cost caps
 - MIDEX
 - SMEX
 - Mission of Opportunity
- Missions solicited through Announcement of Opportunity
- Missions developed in Principal Investigator mode
- Mission oversight provided by the Explorers Program Office at GSFC

Explorers Missions

MIDEX



SMEX



UNEX • MO • INTERNATIONALS



Astrophysics Missions

Current Astrophysics Missions

Heliophysics Missions

Current Heliophysics Missions

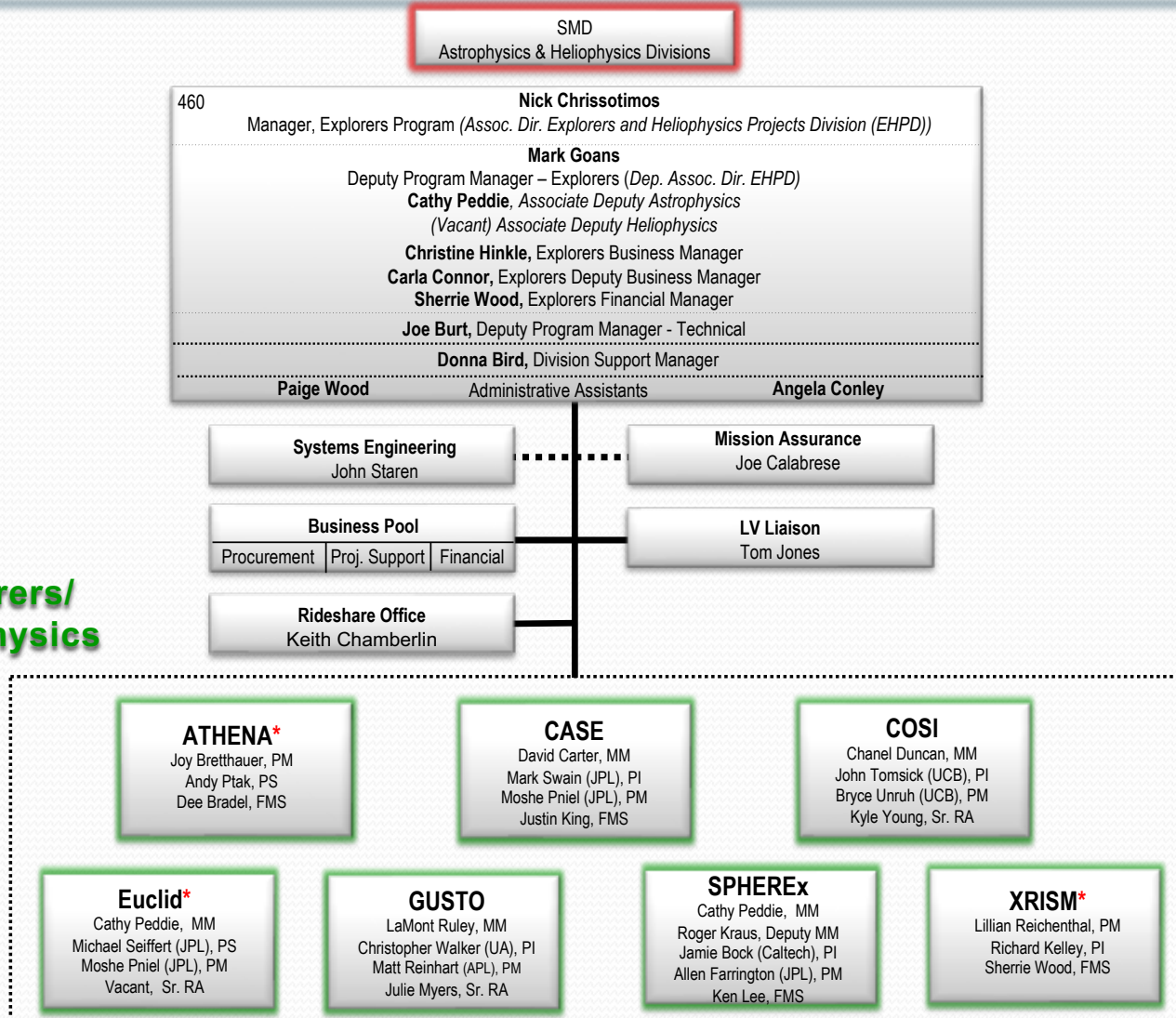


Explorers Program Organization Chart

(1 of 2)



**Explorers/
Astrophysics**



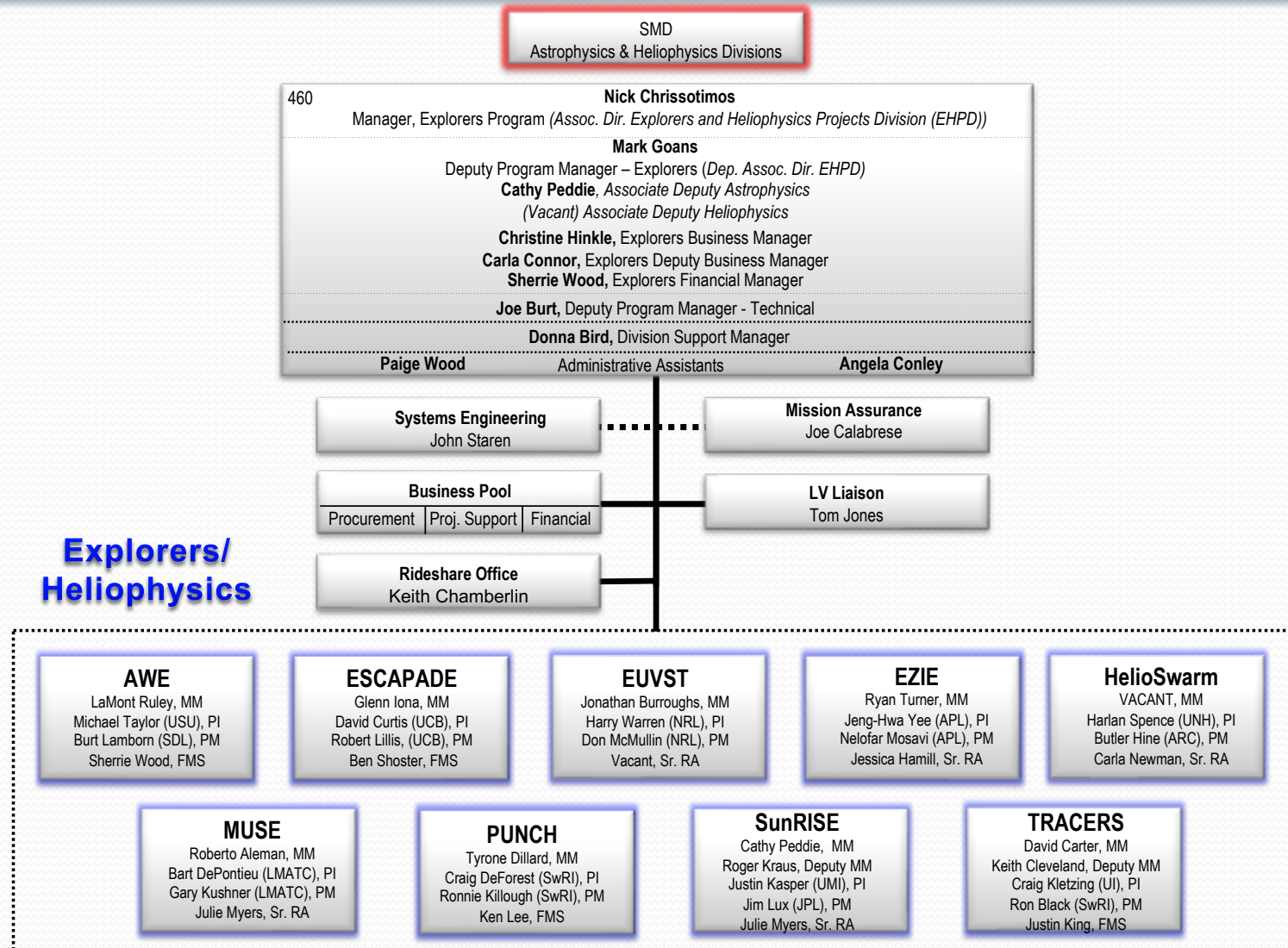
*Strategic Missions

8/10/22



Explorers Program Organization Chart

(2 of 2)





Explorers Program Office Mission Development Responsibilities



- **NASA responsibility**

- Program administration
- Moderate insight/oversight
- Project review process
- Technical Authority
- Launch vehicle procurement

- **PI responsibility**

- Level-1 science requirements/design concept
 - Mission implementation
 - Technical, cost, and schedule performance
 - Peer reviews
 - Safety and mission assurance
 - › Develop and execute a Mission Assurance Implementation Plan based on the AO Mission Assurance Requirements.
-



Explorers Program Office Additional Information



Explorers Website:

<http://explorers.gsfc.nasa.gov>

Explorers Library Websites:

<https://explorers.larc.nasa.gov/HPSMEX22/>